

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A ~~hand operable processing device connecting element positioning aid~~ system, comprising:

- a hand operable processing device operable to process at least one component;
- a light emitting element operably producing a light beam, the light emitting element connectable to the processing device;
- a reference position of the light emitting element from which the light emitting element is alignable to operably direct the light beam towards a reference point; and
- at least one connecting element connectable to the at least one component at the reference point.

2. (Currently Amended) The ~~positioning aid~~ system of Claim 1, wherein the light beam comprises a laser beam.

3. (Currently Amended) The ~~positioning aid~~ system of Claim 1, wherein the connecting element comprises at least one of a rivet, a punch rivet, a blind rivet, a rivet nut, a weld nut, a weld stud, and a clip.

4. (Currently Amended) The ~~positioning aid~~ system of Claim 1, comprising an envelope of the processing device, wherein the reference position is locatable outside of the envelope.

5. (Currently Amended) The ~~positioning-aid~~ system of Claim 4, comprising a machining space of the processing device, wherein the reference position is locatable outside of the machining space.

6. (Currently Amended) The ~~positioning-aid~~ system of Claim 5, wherein the reference position is bridged by a machining vertical line.

7. (Currently Amended) The ~~positioning-aid~~ system of Claim 6, comprising:
a device support having a center;
wherein the reference point is locatable on the machining vertical line and the machining vertical line is extendable through the center of the device support.

8. (Currently Amended) The ~~positioning-aid~~ system of Claim 7, wherein the reference point is arranged at a distance from the device support.

9. (Currently Amended) The ~~positioning-aid~~ system of Claim 8, wherein the distance comprises an adjustable distance increasable by a total material thickness of the at least one component.

10. (Currently Amended) The ~~positioning-aid~~ system of Claim 1, wherein the light beam is directable onto the reference point from outside of the processing device at an oblique orientation.

11. (Currently Amended) The ~~positioning-aid~~ system of Claim 1, comprising a variably projectable light beam.

12. (Currently Amended) The ~~positioning-aid~~ system of Claim 11, wherein the variably projectable is operably projected onto the component as one of a point and a diameter of the connecting element.

13. (Currently Amended) The ~~positioning-aid~~ system of Claim 1, comprising a variably focusable light beam.

14. (Currently Amended) The ~~positioning-aid~~ system of Claim 13, wherein the variably focusable light beam is operably focused onto the component as one of a point and a diameter of the connecting element.

15. (Currently Amended) A ~~processing device-connecting element~~ positioning [[aid]] apparatus comprising:

a processing device operable to process at least one component;

a light emitting element operably producing a light beam, the light emitting element connectable to the processing device;

a reference position of the light emitting element from which the light emitting element is alignable to operably direct the light beam towards a reference point;

at least one connecting element connectable to the at least one component at the reference point;

a variably projectable light beam; and

a template, wherein the variably projectable light beam is in operable cooperation with the template such that a device-related interference contour is projectable onto the component.

16. (Currently Amended) The positioning ~~[[aid]]~~ apparatus of Claim 15, wherein the device-related interference contour includes one of a diameter of a mouthpiece, a device support diameter, and one of a plurality of geometric shapes including a square, a triangle and an ellipse.

17. (Currently Amended) A ~~processing device connecting element~~ positioning ~~[[aid]]~~ apparatus comprising:

a processing device operable to process at least one component;

a light emitting element operably producing a light beam, the light emitting element connectable to the processing device;

a reference position of the light emitting element from which the light emitting element is alignable to operably direct the light beam towards a reference point; ~~[[and]]~~

at least one connecting element connectable to the at least one component at the reference point;

a variably focusable light beam; and

a template, wherein the variably focusable light beam is in operable cooperation with the template such that a device-related interference contour is focusable onto the component.

18. (Currently Amended) The positioning ~~[[aid]]~~ apparatus of Claim 17, wherein the device-related interference contour includes one of a diameter of a mouthpiece, a device support diameter, and one of a plurality of geometric shapes including a square, a triangle and an ellipse.

19. (Cancelled).

20. (Cancelled).

21. (Cancelled).

22. (Currently Amended) A method for positioning at least one component in ~~a device~~ an apparatus for processing the component, the method comprising:

producing a single light beam with a light beam emitter;

positioning the light beam emitter at a reference position to operably direct the single light beam towards a reference point;

placing a mark on an uppermost one of a component to be processed;

congruently positioning one of the mark and the single light beam above the other;

~~processing the component;~~

aligning a connecting element with the component at the reference point; and

shaping the mark to match a shape of the connecting element; and

driving the connecting element into permanent engagement with the component.

23. (Cancelled).

24. (Cancelled).

25. (Cancelled).

26. (Cancelled).

27. (Cancelled).

28. (Currently Amended) A method for positioning at least one component in a [[device]] system for processing the component, the method comprising:

producing a single light beam with a light beam emitter;

positioning the light beam emitter at a reference position to operably direct the light beam towards a reference point;

~~mounting at least one component for processing;~~

aligning a connecting element taken from the group including a rivet, a punch rivet, a blind rivet, a rivet nut, a weld nut, a weld stud and a clip with the reference point;

placing a mark on an uppermost one of the components;

congruently positioning one of the mark and the single light beam above the other; and

~~processing~~ connecting both the connecting element and the at least one component.

29. (Original) The method of Claim 28, comprising joining the connecting element together with the at least one component.

30. (Original) The method of Claim 28, comprising adjusting a height of the light beam to correspond to a total thickness of the at least one component.

31. (New) The system of Claim 1, wherein the connecting element is a rivet.

32. (New) The system of Claim 1, wherein the at least one component of the positioning system is at least one part of an automotive vehicle.

33. (New) The positioning apparatus of Claim 15, wherein the connecting element comprises at least one of a rivet, a punch rivet, a blind rivet, a rivet nut, a weld nut, a weld stud and a clip.

34. (New) The positioning apparatus of Claim 15, wherein the at least one connecting element is a rivet.

35. (New) The positioning apparatus of Claim 15, wherein the at least one component is at least one part of an automotive vehicle.

36. (New) The positioning apparatus of Claim 17, wherein the connecting element comprises at least one of a rivet, a punch rivet, a blind rivet, a rivet nut, a weld nut, a weld stud and a clip.

37. (New) The positioning apparatus of Claim 17, wherein the at least one connecting element is a rivet.

38. (New) The positioning apparatus of Claim 17, wherein the at least one component is at least one part of an automotive vehicle.